

## Human CD19 Magnetic Beads Kit

Catalog#/Size: KMS004-10/10 test

KMS004-100/100 test

### Description

CD19 is a 95kDa, type I transmembrane glycoprotein member of the immunoglobulin superfamily. It is expressed by B cells and follicular dendritic cells and regulates B-lineage commitment during hematopoietic stem cell differentiation. 6%-23% human PBMC are CD19 positive. Human CD19 Magnetic Beads Kit can be used for isolation or depletion of human CD19 B lymphocytes from PBMC, whole blood, or other sample types. Following incubation with biotinylated human CD19 antibody and Streptavidin magnetic beads, the cell sample is placed on a magnet. CD19+ cells remain attached to magnetic beads after separation and can be used for downstream applications, such as in expansion of cells, but are not suitable for flow cytometry analysis. CD19- cells remain in supernatant and can also be used for further applications.

### Product Details

#### Components

KMS004-10:

- MS001-10: 100µL 10mg/mL streptavidin magnetic beads
- MS65197-10: 100µL 0.1mg/mL Biotin-CD19 (clone: 4G7)

KMS004-100:

- MS001-100: 1mL 10mg/mL streptavidin magnetic beads
- MS65197-100: 1mL 0.1mg/mL Biotin-CD19 (clone: 4G7)

#### Reactivity

Human

#### Beads Diameter

2.7 µm

#### Storage buffer

Streptavidin beads: PBS, pH7.4, 0.2% BSA and 0.05% Sodium Azide  
Biotin Antibody: PBS, pH7.4, 0.2% BSA and 0.09% Sodium Azide

#### Storage temperature

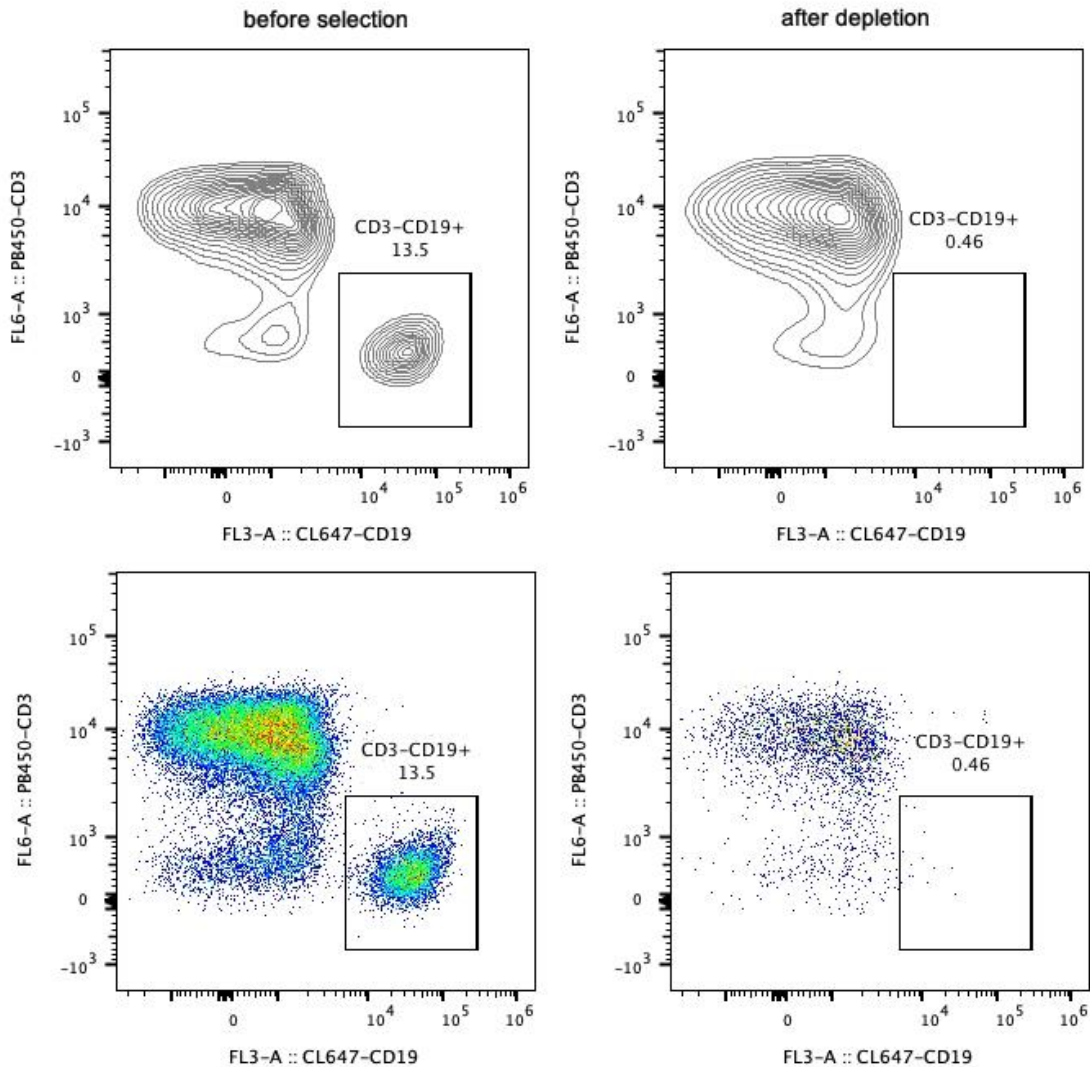
2-8°C

#### Recommend usage

10µL Biotin-CD19 antibody and 10µL streptavidin beads for 1x10<sup>7</sup> cells.

## Representative example of depletion

Following depletion of CD19+ cells, supernatant suspension was stained with PB450-CD3 (clone: HIT3a) and CL647-CD19 (clone: SJ25C). CD45+ cells are gated in the analysis. Left panel: CD3-CD19+ cells before selection. Right panel: CD3-CD19+ cells after depletion. Human CD19 magnetic bead kit is tested using PBMC from three different donors.



For technical support for this product please contact:

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